

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2017/2018

MID1093 – RAPID MODELING
(All sections / Groups)

11 OCTOBER 2017
9.00 a.m. - 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 4 pages with 5 Questions only.
2. Answer **FOUR** out of FIVE questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Please print all your answers in the Answer Booklet provided.

1. A) Describe what is RAPID PROTOTYPING?

(5 marks)

B) Discuss 5 industries that are getting benefit from RAPID PROTOTYPING.

(15 marks)

C) Give full name to these technologies' acronyms.

- i. BPM
- ii. MM
- iii. MJM
- iv. DSP
- v. SLA

(5marks)

(Total 25 marks)

2. A) Discuss what is CONCEPT MODELLER?

(20 marks)

B) Describe 5 technologies that suitable for CONCEPT MODELLER.

(5 marks)

(Total 25 marks)

3. A) Fill in these statement's blanks;

- i. Functional Modellers are _____ systems that build _____, _____, and more _____ than the _____ modeler systems.
- ii. Functional Modellers are usually _____ and more _____ and often times are more suitable for _____ or _____ operation opposed to a design or office environment.

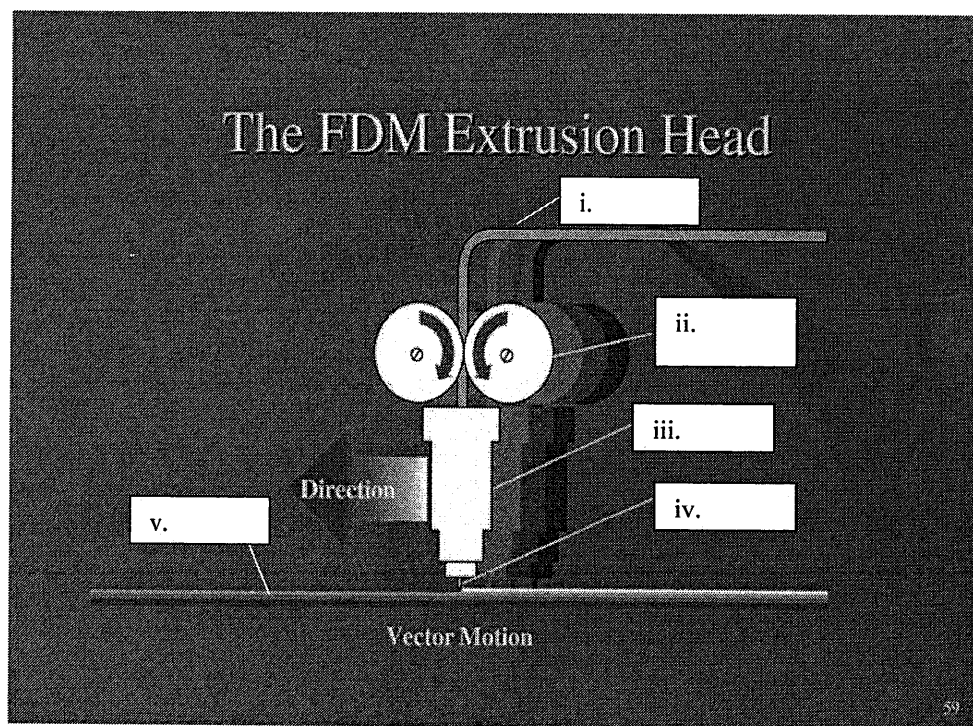
(10 marks)

Continued...

B) Explain what is Fused Deposition Modelling (FDM)?

(10 marks)

C) Label these parts accordingly.



(5 marks)

(Total 25 marks)

4. A) Discuss about Laminated Object Manufacturing (LOM)

(15 marks)

B) Give 5 advantages of LOM.

(10 marks)

(Total 25 marks)

Continued...

5. A) Discuss 5 applications of SLA.

(10 marks)

B) Describe 5 benefits of SLA.

(10 marks)

C) Explain 5 advantages of Polyjet.

(5 marks)

(Total 25 marks)

End of Page.

